

=> d his

(FILE 'HOME' ENTERED AT 08:56:56 ON 01 MAR 2007)

FILE 'CA' ENTERED AT 08:57:03 ON 01 MAR 2007

L1 229 S (REPLICA? OR DAUGHTER OR CHILD) (3A) (PLATE OR MICROPLATE OR TRAY OR
MICROTITER OR MICROWELL OR MULTIWELL)

L2 1174 S (MASTER OR MOTHER OR PARENT) (3A) (PLATE OR MICROPLATE OR TRAY OR
MICROTITER OR MICROWELL OR MULTIWELL)

L3 14 S L1 AND L2

FILE 'BIOSIS' ENTERED AT 09:00:39 ON 01 MAR 2007

L4 8 S L3

FILE 'MEDLINE' ENTERED AT 09:00:55 ON 01 MAR 2007

L5 4 S L3

FILE 'CA, BIOSIS, MEDLINE' ENTERED AT 09:01:11 ON 01 MAR 2007

L6 19 DUP REM L3 L4 L5 (7 DUPLICATES REMOVED)

=> d bib,ab 16 1-19

L6 ANSWER 9 OF 19 CA COPYRIGHT 2007 ACS on STN

AN 127:185298 CA

TI Multiplexed nanoliter transfers for high throughput drug screening using
the Biomek 2000 and the high density replicating tool

AU Brandt, David W.

CS Beckman Instruments, Inc., Biotechnology Development Center, Fullerton,
CA, 92634-3100, USA

SO Journal of Biomolecular Screening (1997), 2(2), 111-116

AB We describe a simple tool for the Biomek 2000 liq. handling workstation:
the High D. Replicating Tool (HDRT) which can have a dramatic effect on
the speed and cost drivers of the drug discovery process. The HDRT was
originally developed for the Human Genome Project and can perform 96 or
384 simultaneous nanoliter transfers. This tool dramatically reduces
waste of **mother-daughter plate replication**, improves **plate** process time
through multiplexed transfers, and reduces the demands on compds. and
reagents by reducing assay vols. by a factor of 10 to 100. The impact
of high d., nanoliter vol. capability can be far-reaching by not only
improving the screening process, but more important, drastically reduce
the cost per assay. By reducing the demand on the amts. of compds.
needed for screening, the quantities of compds. produced by the
combinatorial and parallel chem. synthesis disciplines can be reduced,
thereby impacting the speed and costs of the entire drug discovery
process.

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STN INTERNATIONAL LOGOFF AT 09:01:35 ON 01 MAR 2007